25X1

NPIC/TSSG/DED-1339-68
27 August 1968

Declass Review by NGA.

MEMORANDUM FOR: Chief, Technical Analysis Division, TSSG

25X1 ATTENTION : [redacted]

SUBJECT : Modification of the 1032T Microdensitometer

1. It is understood by the Development & Engineering Division that TAD requires three modifications made to the 1032T Microdensitometer; namely, an increase in the sampling rate, a capability for a shortened scan length, and improved optical system.

2. In order to request proposals for these services, DED requires some specific information from TAD. Listed below are a series of questions whose answers will aid in defining the problem:

a. What is the smallest sampling interval required?

b. What is the greatest sampling interval required?

c. What is the slowest scan speed that can be tolerated?

d. What tolerance is required for the absolute position of each sample?

e. What tolerance is required for the relative position of each sample?

f. What is the shortest scan required?

g. What is the longest scan required?

h. What tolerance is required on scan start and stop positions?

i. How repeatable must the scan start and stop be?

j. Does the machine have to be able to start and stop scanning as accurately in one direction as the other?

k. What is the smallest effective slit required to scan black and white film?

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l. What is the smallest effective slit required to scan color film in the trichromatic mode?

m. What is the smallest effective slit required to scan color film in the black and white mode?

n. What is the smallest effective spot required to scan black and white film?

o. What is the smallest effective spot required to scan color film in the trichromatic mode?

p. What is the smallest effective spot required to scan color film in the black and white mode?

q. What types of color film will you analyze in the trichromatic mode?

r. What types of color film will you analyze in the black and white mode?

s. What is the maximum expenditure of funds you could justify for each of the modifications?

t. Would you be willing to justify these costs to the DDI when the funds are requested?

[redacted] 25X1

Chief, Development & Engineering Division,
NPIC

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